BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/16/2019-20 Dated: 31-1-2020

APPROVED TENDER SCHEDULE –'B'

Item 07

Name of Work :-Construction and Development of roads and drains at Nagenahalli layout, vinayaka layout, Balaji layout main and cross roads and surrounding areas in ward no-02 of yelahanka Sub division.

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates SRI.Rajanna N	
				Rate	Rate in Words
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.and site engineer in incharge (I No.19.1,P No.141) 8 km lead	Cum	697.98	225.94	Two Hundred TwentyFive Paise NinetyFour Only
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)	Cum	111.60	5778.17	Five Thousand Seven Hundred SeventyEight Paise Seventeen Only
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification..and site engineer in incharge	Cum	220.47	7420.17	Seven Thousand Four Hundred Twenty Paise Seventeen Only

	oviding TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, la ping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications .and site engineer in incharge	Tonne	13.47	75907.17	SeventyFive Thousand Nine Hundred Seven Paise Seventeen Only
5	Providing and Fixing pre cast covering Slab 250mm thick made out of CC M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	21.00	5686.19	Five Thousand Six Hundred EightySix Paise Nineteen Only
6	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	588.78	2452.68	Two Thousand Four Hundred FiftyTwo Paise SixtyEight Only
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)	Cum	12.28	6031.81	Six Thousand ThirtyOne Paise EightyOne Only

	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)	Nos	1365.00	453.89	Four Hundred FiftyThree Paise EightyNine Only
9	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)	Sqm	184.26	89.00	EightyNine Only
10	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications .and site engineer in incharge	Cum	1046.70	65.81	SixtyFive Paise EightyOne Only
11	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	667.22	2093.67	Two Thousand NinetyThree Paise SixtySeven Only

	SRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 155/ Item No. 20.18/ KPWD SR 2018-19	Cum	889.62	2100.34	Two Thousand One Hundred Paise ThirtyFour Only
13	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. clause 502 of MORTH V Version Page No. 158/ Item No. 21.6/ KPWD SR 2018-19	Sqm	4448.10	35.60	ThirtyFive Paise Sixty Only
14	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications..clause 505 MORTH V Version do using 40/60 TPH capacity H.M.P. with sensor paver Gr-11 (50 mm to 75mm) with 4.5 % VG-30 Bitumen Page No. 160/ Item No. 21.17.3/ KPWD SR 2018-19	Cum	222.41	7796.19	Seven Thousand Seven Hundred NinetySix Paise Nineteen Only
15	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. Clause 503 MORTH v version / Page No. 158/ Item No. 21.7/ KPWD SR 2018-19	Sqm	7530.90	13.35	Thirteen Paise ThirtyFive Only

	providing and laying bitiuminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading premixed with bituminouse binder and filler transporting the hot mix to work site, laying wih a paver finisher to the required grade level and alignmentt rollong with smoothh wheeled viratory and tanndem rollers to achieve .the desired compaction in all respects complte as per specifications Clause 507 of Morth V revision as per IRC SP-53 2015 using 40-60 TPH capacity HMP with mechanical paver grading II (3045mm) with 5.4% of modified bituminus binder consisting of 4.97% of VG-30 bitmen (60/70 grade) and 0.43% of plastomeric the moplastics (waste plastic) (P.No 171, I no 21.78.12)	Cum	301.24	9130.04	Nine Thousand One Hundred Thirty Paise Four Only
17	KSRRB M800.13 Road Marking with Hot Applied Themoplastic Compound with reflectrising Glass Beads on Bituminous Surace/ Concret surface: providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickenss of 2.5mm is exclusive of surface applied glass beads as per IRC:35 standards specified, The finshed surface to be level uniform and free from streaks and holes complete as per specifications MORTH Specification No:803 (P.No.182, I. No-24.15)	Sqm	254.35	477.25	Four Hundred SeventySeven Paise TwentyFive Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.